



Air Quality Data and Mapping Session

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Welcome to the Real World

◆ This is REALLY the

PM_{2.5} Mapping Session

◆ Some good news....

◆ Some more good news....



PM_{2.5} Mapping Workgroup

◆ Formed Informal Group this past fall

- (EPA-RTP, EPA Region (1, 5, 9), Iowa, Texas, Forsyth County-NC, Puget Sound, NESCAUM, LADCO, STI)

◆ Discussed PM_{2.5} Issues

- How to map 1 hour data with 24 hour average
- QA/QC criteria
- Correction Factors
- What products to show (private vs. public)



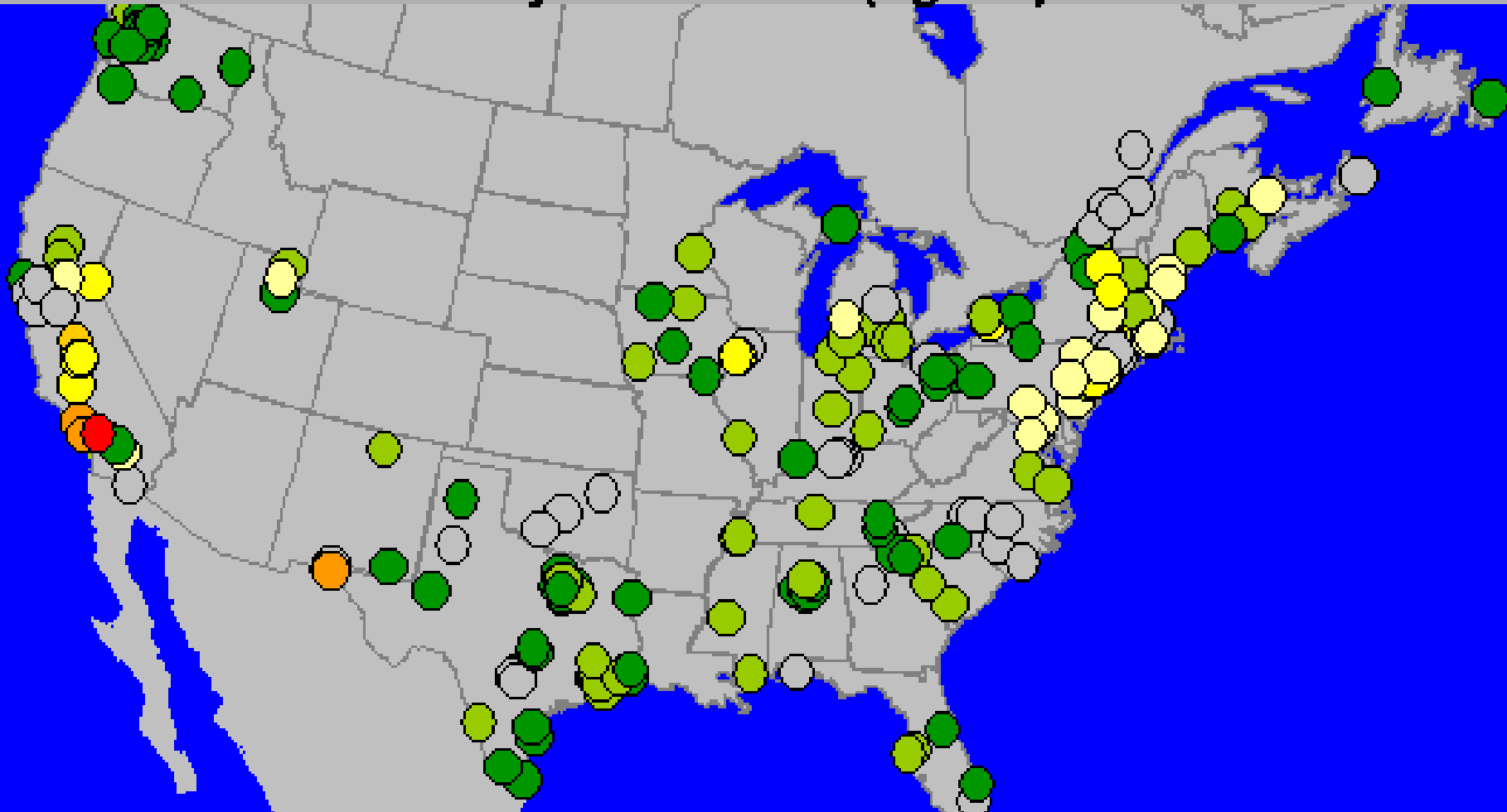
PM_{2.5} Mapping Workgroup

◆ Current Real-Time PM_{2.5} Products

- Current hourly maps
- Current running 24-hr average maps
- Yesterday's 24-hr AQI map
- Yesterday's running 24-hr average map
- 3 episodic contoured maps (NC, TX, WA) with 3hr, 6hr, and 24-hr rolling averages

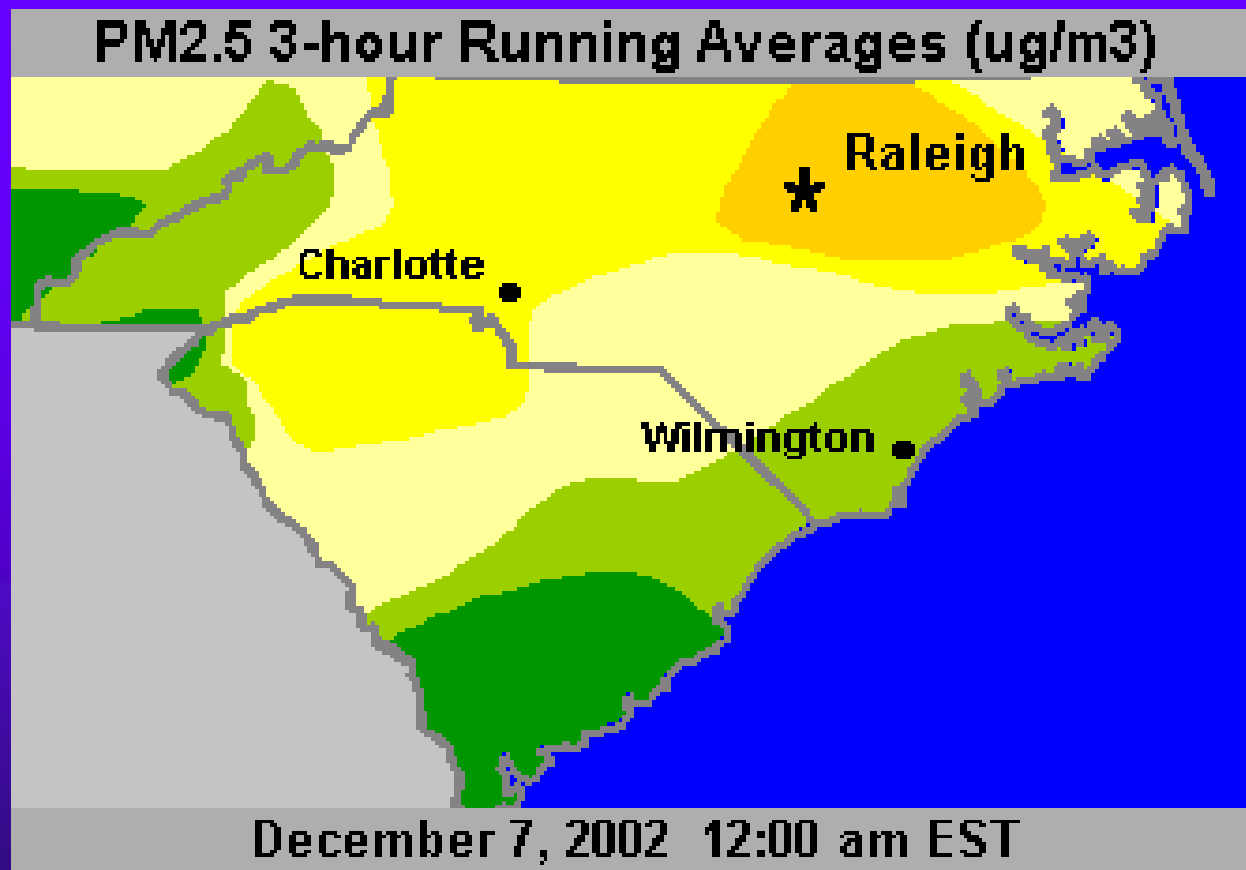
Current Hourly National PM_{2.5} map

Hourly PM_{2.5} Data (ug/m³)



January 30, 2003 12:00 am EST

Example Contour PM_{2.5} map





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◆ Now some bad news....



2 Main Problems in Real-Time AQI Mapping of PM_{2.5}

◆ Spatial Coverage

- 250+ continuous PM_{2.5} monitors versus 1200+ continuous ozone monitors

◆ 24-Hour Averaging Period for the AQI

- 1 hour data to 24 hour AQI
- Communicating 24-hr averaging period to public



PLANNING

MUCH WORK REMAINS TO BE DONE BEFORE WE CAN ANNOUNCE
OUR TOTAL FAILURE TO MAKE ANY PROGRESS.



PM_{2.5} Mapping Session

